

REFERENCE/DOCKET NUMBER: 1422-0346P
TELECOMMUNICATION INFORMATION:
TELEPHONE: 703-205-8000
TELEFAX: 703-205-8050
INFORMATION FOR SEQ ID NO: 7:
SEQUENCE CHARACTERISTICS:
LENGTH: 812 base pairs
TYPE: nucleic acid
STRANDEDNESS: double
TOPOLOGY: linear
MOLECULE TYPE: cDNA to mRNA
FEATURE:
NAME/KEY: CDS
LOCATION: 1..673
US-09-091-097-7

Alignment Scores:
Pred. No.: 1.05e-05 Length: 812
Score: 79.00 Matches: 15
Percent Similarity: 70.37% Conservative: 4
Best Local Similarity: 55.56% Mismatches: 8
Query Match: 54.48% Indels: 0
Gaps: 0

US-09-987-190-2 (1-30) x US-09-091-097-7 (1-812)
QY 1 LyeTyserleuprogulueuapTyrcgluphesera1athrcgluproTyrlieseroly 20
DB 74 AAGTACAGCTCTCCGCGCCGCTGCGACATGACGCGCGCGCTGCGACGCGCGCATCTCGCGC 133
QY 21 GATGATGACGATGACGACGACGAC 154
DB 134 GATGATGACGATGACGACGAC 154

RESULT 2
US-09-075-019-1
Sequence 1. Application US/09075019
Patent No. 6190658
GENERAL INFORMATION:
APPLICANT: UTC 18459
TITLE OF INVENTION: A GENETICALLY MODIFIED MANGANESE
NUMBER OF SEQUENCES: 12
TITLE OF INVENTION: SUPEROXIDE DISMUTASE FOR TREATING OXIDATIVE DAMAGE
CORRESPONDENCE ADDRESS:
ADDRESS: Sheriden Rose P.C.
STREET: 1700 Lincoln St., Suite 3500
CITY: Denver
STATE: CO
COUNTRY: USA
ZIP: 80203
COMPUTER READABLE FORM:
MEDIUM TYPE: floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patent Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/075.019
FILING DATE:
CLASSIFICATION:
ATTORNEY/AGENT INFORMATION:
NAME: Kovarik, Joseph E.
REGISTRATION NUMBER: 33,005
REFERENCE/DOCKET NUMBER: 2848-22
TELECOMMUNICATION INFORMATION:
TELEPHONE: (303) 863-9700
TELEFAX: (303) 863-0223
INFORMATION FOR SEQ ID NO: 1:
SEQUENCE CHARACTERISTICS:
LENGTH: 594 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: cDNA

FEATURE:
NAME/KEY: CDS
LOCATION: 1..594
US-09-075-019-1

Alignment Scores:
Pred. No.: 6.04e-05 Length: 594
Score: 74.00 Matches: 12
Percent Similarity: 78.57% Conservative: 10
Best Local Similarity: 42.86% Mismatches: 6
Query Match: 51.03% Indels: 0
Gaps: 0

US-09-987-190-2 (1-30) x US-09-075-019-1 (1-594)
QY 1 LyeTyserleuprogulueuapTyrcgluphesera1athrcgluproTyrlieseroly 20
DB 1 AAGCAGAGCTCTCCGCGCCGCTGCGACATGACGCGCGCTGCGACGCGCATGACGCG 60
QY 21 GATGATGACGATGACGACGACGAC 84
DB 61 GATGATGACGATGACGACGACGAC 84

RESULT 3
5240847-8
Patent No. 5240847
APPLICANT: HECKL, KONRAD; SPEVAK, WALTER; OSTERMANN, ELINBORG;
ZOPHEL, ANDREAS; KRISTEK, EDELRAND; MAURER-FOGY, INGRID;
WICHE-CASPARON, MARIA J.; STRATON, CHRISTIAN; HAUPTMANN, RUDOLF
TITLE OF INVENTION: HUMAN MANGANESE SUPEROXIDE DISMUTASE
(HMD-SOD)
NUMBER OF SEQUENCES: 34
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/07/167,261
FILING DATE: 11-MAR-1988
SEQ ID NO: 8
LENGTH: 600
5240847-8

Alignment Scores:
Pred. No.: 6.12e-05 Length: 600
Score: 74.00 Matches: 12
Percent Similarity: 78.57% Conservative: 10
Best Local Similarity: 42.86% Mismatches: 6
Query Match: 51.03% Indels: 0
Gaps: 0

US-09-987-190-2 (1-30) x 5240847-8 (1-600)
QY 1 LyeTyserleuprogulueuapTyrcgluphesera1athrcgluproTyrlieseroly 20
DB 4 AAGCAGCTCTGCGACGCTGCGACATGACGACGCGCTGCGACGCGCATGACGACGATGCT 63
QY 21 GATGATGACGATGACGACGACGAC 28
DB 64 GATGATGACGATGACGACGACGAC 87

RESULT 4
5240847-9
Patent No. 5240847
APPLICANT: HECKL, KONRAD; SPEVAK, WALTER; OSTERMANN, ELINBORG;
ZOPHEL, ANDREAS; KRISTEK, EDELRAND; MAURER-FOGY, INGRID;
WICHE-CASPARON, MARIA J.; STRATON, CHRISTIAN; HAUPTMANN, RUDOLF
TITLE OF INVENTION: HUMAN MANGANESE SUPEROXIDE DISMUTASE
(HMD-SOD)
NUMBER OF SEQUENCES: 34
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/07/167,261
FILING DATE: 11-MAR-1988
SEQ ID NO: 9
LENGTH: 600
5240847-9